

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Savannah River**

Site Summary Level: **Savannah River Site**

Project **SR-DO05 / DOE External Program Support**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0116**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Definition of Scope: SCDHEC must participate in the planning, selection and implementation of the remedial actions for cleanup of the waste sites at SRS. SCDHEC will review documents, provide oversight of DOE work, participate in community relations activities, help resolve disputes, verify sampling and analytical results for soils and groundwater, and maintain appropriate documentation.

Activities include the development of an independent oversight program to evaluate DOE non-regulatory monitoring programs, conduct independent monitoring, and enhance community relations and information programs. SCDHEC and GEMA will also develop and maintain an effective radiological and hazardous material response programs.

Through an interagency agreement, the USGS will continue to support the Environmental Restoration Program by developing and implementing monitored natural attenuation protocols specific to soils and groundwater at SRS. The USGS will also develop detailed sampling and analysis protocols for collecting field data and applying the framework and sampling to a selected SRS site. The USFS provides aerial photography and digital terrain model development, maintenance of secondary roads in support of site monitoring wells and closure cap programs, soil stabilization, sediment control, wetland protection, and maintenance to ensure long term erosion control. USFS also provides seedlings for planting on waste site closures, wetlands, and other impacted areas.

Through various University Research Grants, colleges and universities are able to directly support environmental restoration activities in the field. Examples of support range from bioremediation of mixed microbial mats, bioremediation of heavy metals from the coal pile runoff basins to assessment, evaluation and testing of technologies and comparative effects of CO2 enrichment and pH change on phytoplankton communities in the SRS Carolina Bay Restoration efforts.

Technical Approach: N/A

Project Status in FY 2006:

Program activities will have supported the completion of activities described in PBS SR-ER01 through SR-ER07.

Post-2006 Project Scope:

Project scope identified in A.2.2 will continue at level necessary to support PBS SR-ER01 through SR-ER07.

Project End State

Program support activities will continue each year at level necessary to support restoration of all projects identified in ER program.

Cost Baseline Comments:

Costs are derived from validated estimates provided to DOE by each government agency or grant recipient. Escalation has been applied at 3.0% for

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 1 of 5

Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Savannah River

Site Summary Level: Savannah River Site

Project SR-DO05 / DOE External Program Support

Report Number: GEN-01b

Print Date: 3/9/2000

HQ ID: 0116

Project Description Narratives

outyears.

Safety & Health Hazards:

Safety & Health Work Performance:

PBS Comments:

The grant enables DHEC to sufficiently oversee and implement the FFA between the State of South Carolina and DOE-SRS. Activities include, but are not limited to, review of Site Evaluation reports, RCRA Facility Investigation/Remedial Investigation workplans and reports, Baseline Risk Assessments, Records of Decisions, Proposed Plans, RCRA Permit Modifications, Remedial Design/Corrective Action workplans. Other administrative duties include, but are not limited to, extension requests and monitoring well approvals.

Through these grants (SC AIP and GA AIP), the states perform emergency preparedness and response and environmental monitoring activities related to SRS. They conduct training and maintain an emergency response system for the citizens of their States near SRS under the emergency response program. GEMA has also implemented monitoring of surface water discharges, public drinking water groundwater, air, crops and milk, and soil vegetation. Both States keep The public informed of SRS activities and plan to maintain their emergency monitoring programs to meet public needs.

Baseline Validation Narrative:

not applicable

General PBS Information

Project Validated?

Date Validated:

Has Headquarters reviewed and approved project?

No

Date Project was Added: 12/1/1997

Baseline Submission Date: 7/3/1999

FEDPLAN Project? Yes

Drivers:

CERCLA

RCRA

DNFSB

AEA

UMTRCA

State

DOE Orders

Other

Y

N

N

N

N

N

N

N

Project Identification Information

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Savannah River**

Site Summary Level: **Savannah River Site**

Project **SR-DO05 / DOE External Program Support**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0116**

General PBS Information

DOE Project Manager: Cynthia V. Anderson
DOE Project Manager Phone Number: 803-725-3966
DOE Project Manager Fax Number: 803-725-7548
DOE Project Manager e-mail address: Cynthia-V.Anderson@srs.gov
Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (current year dollars)	66,099	192,306	258,405	5,988	5,988	5,718	5,718	7,670	7,831	6,150	6,279	6,411	6,546	6,683	6,823	
PBS Baseline (constant 1999 dollars)	62,191	128,760	190,951	5,988	5,988	5,718	5,718	7,670	7,625	5,865	5,865	5,865	5,865	5,865	5,865	
PBS EM Baseline (current year dollars)	66,099	192,306	258,405	5,988	5,988	5,718	5,718	7,670	7,831	6,150	6,279	6,411	6,546	6,683	6,823	
PBS EM Baseline (constant 1999 dollars)	62,191	128,760	190,951	5,988	5,988	5,718	5,718	7,670	7,625	5,865	5,865	5,865	5,865	5,865	5,865	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	6,967	7,113	7,262	7,415	39,477	43,800	48,596	31,676	0	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	5,865	5,865	5,865	5,865	29,352	29,352	29,352	17,244	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	6,967	7,113	7,262	7,415	39,477	43,800	48,596	31,676	0	0	0	0	0	0	0	0

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Savannah River**

Site Summary Level: **Savannah River Site**

Project **SR-DO05 / DOE External Program Support**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0116**

	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS EM Baseline (constant 1999 dollars)	5,865	5,865	5,865	5,865	29,352	29,352	29,352	17,244	0	0	0	0	0	0	0	0

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project:

Current Projected End Date of Project: 9/30/2028

Explanation of Project Completion Date Difference (if applicable):

Milestone was added to reflect the HQ landlord transition from EM to another HQ program beginning 10/1/2028.

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	206,930	Actual 1997 Cost:	5,988	Actual 1998 Cost:	5,718
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	195,224	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):			5,271
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	200,495				

Project Cost Changes

Cost Adjustments Reconciliation Narratives

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 4 of 5

Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Savannah River

Site Summary Level: Savannah River Site

Project SR-DO05 / DOE External Program Support

Report Number: GEN-01b

Print Date: 3/9/2000

HQ ID: 0116

Project Reconciliation

Cost Change Due to Scope Deletions (-): 21,253

Cost Reductions Due to Efficiencies (-):

Cost Associated with New Scope (+):

Cost Growth Associated with Scope Previously Reported (+):

Cost Reductions Due to Science & Technology Efficiencies (-):

Subtotal: 179,242

Additional Amount to Reconcile (+): 3

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars): 179,245

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
EM Landlord Project Completion	SR-DO05-002		9/30/2028								
Project Start	SR-DO05-001		10/1/1996								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
EM Landlord Project Completion	SR-DO05-002				Y						It is assumed that EM will turn over landlord responsibilities to another HQ program beginning in FY 2029.
Project Start	SR-DO05-001			Y							Transition from ADS to PBS began in FY 1997.